



## PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference Fangvorr.	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/EP2002/004160	International filing date (day/month/year) 15 April 2002 (15.04.2002)	Priority date (day/month/year) 15 April 2002 (15.04.2002)
International Patent Classification (IPC) or national classification and IPC E05D 13/00		
Applicant HÖRMANN KG BROCKHAGEN		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 5 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 9 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 13 November 2003 (13.11.2003)	Date of completion of this report 05 July 2004 (05.07.2004)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP2002/004160

## I. Basis of the report

1. This report has been drawn on the basis of *(Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.)*:

- ☐ the international application as originally filed.
- ☒ the description, pages \_\_\_\_\_, as originally filed,  
 pages 2, 7, 9-12, filed with the demand,  
 pages 1, 3-6, 8, filed with the letter of 15 March 2004 (15.03.2004),  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.
- ☒ the claims, Nos. \_\_\_\_\_, as originally filed,  
 Nos. \_\_\_\_\_, as amended under Article 19,  
 Nos. \_\_\_\_\_, filed with the demand,  
 Nos. 2-15, filed with the letter of 15 March 2004 (15.03.2004),  
 Nos. 1, filed with the letter of 15 April 2004 (15.04.2004).
- ☒ the drawings, sheets/fig 1/3-3/3, as originally filed,  
 sheets/fig \_\_\_\_\_, filed with the demand,  
 sheets/fig \_\_\_\_\_, filed with the letter of \_\_\_\_\_,  
 sheets/fig \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

2. The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/fig \_\_\_\_\_

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP 02/04160

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

### 1. Statement

Novelty (N)	Claims	1-15	YES
	Claims		NO
Inventive step (IS)	Claims	1-15	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-15	YES
	Claims		NO

### 2. Citations and explanations

1. Reference is made to document CH-A-261913 (D1), which was not listed in the international search report.
2. Document D1, which is regarded as the closest prior art, discloses (see page 2, line 40 to page 3, line 23; page 3, line 34 to page 4, line 13 of the description; claim 1; and figures 1 to 3) a door provided with a safety arrangement (50) as per the preamble of claim 1. The safety arrangement comprises a lever (60) which is mounted so that it can swivel relative to a swivelling axis (43) that runs transversely to the guide rail, and a safety element (70) which is coupled to the lever and which, if the traction mechanism and/or counterweight mechanism breaks, engages between a guide rail contact surface and a pressing element of the door leaf.

The subject matter of claim 1 differs from that described in D1 in that the safety element (70) is held on the lever (60) in such a way that it can tilt about a tilting axis that runs approximately parallel to the swivelling axis.

The invention aims to improve the abutment of the safety element (70) between the guide rail contact surface and the door leaf pressing element, for example the guide roller.

The combination of features in claim 1 allows the safety element greater freedom of movement namely by allowing it to rotate in relation to the lever itself, thus guaranteeing that the safety element lies flat on the guide rail contact surface.

This combination of features is neither disclosed nor suggested by the available prior art.

The subject matter of claim 1 thus satisfies the criteria in PCT Article 33(2) and (3).

3. The subject matter of claims 2 to 15 is novel and inventive, since these claims are dependent on claim 1.